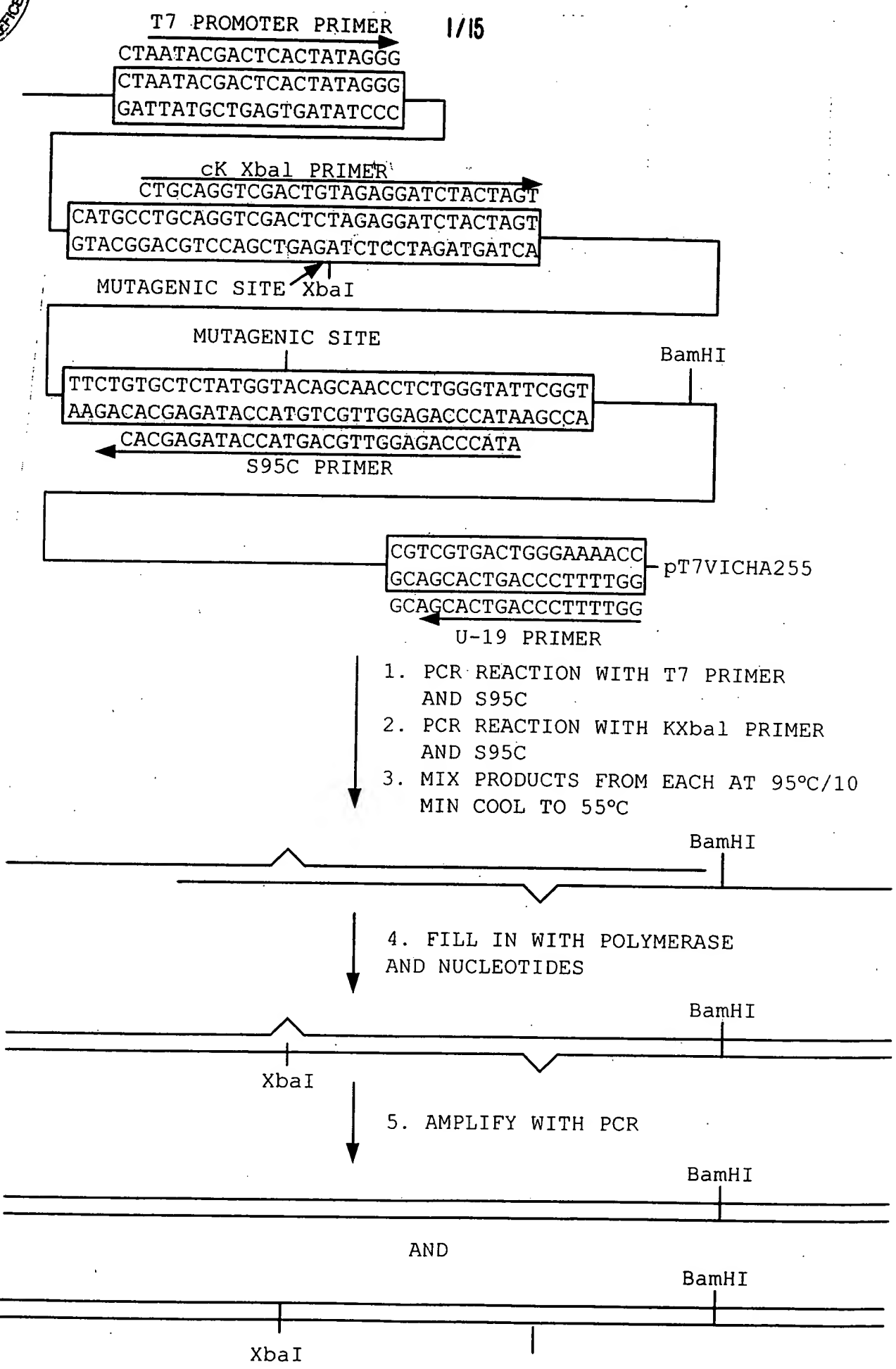

FIG. 1.

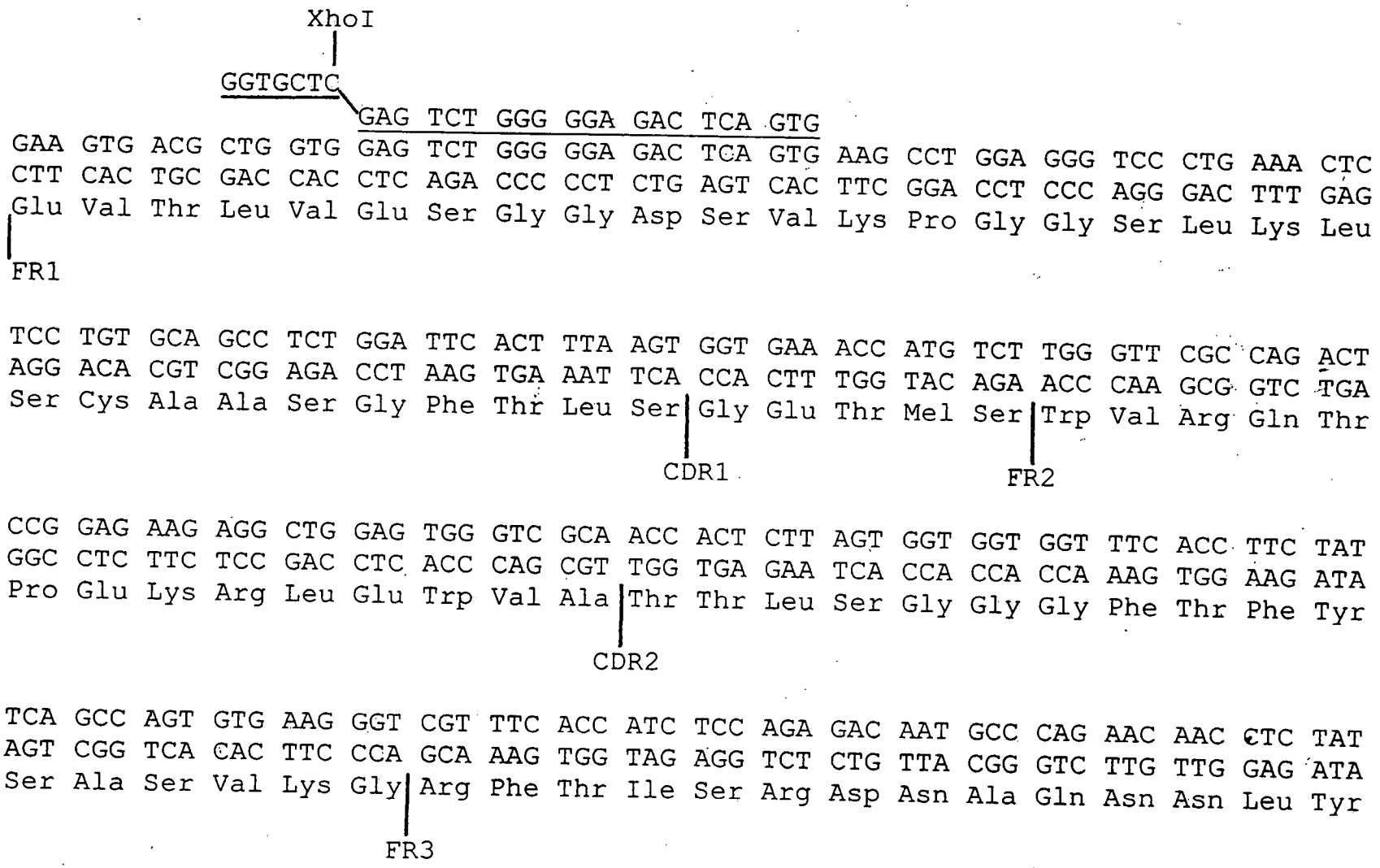

FIG. 2A.

```
CTA CAA CTG AAT AGT CTG AGG TCT GAG GAC ACG GCC TTG TAT TTC TGT GCA AGT CAT CGG
GAT GTT GAC TTA TCA GAC TCC AGA CTC CTG TGC CGG AAC ATA AAG ACA CGT TCA GTA GCC
Leu Gln Leu Asn Ser Leu Arg Ser Glu Asp Thr Ala Leu Tyr Phe Cys Ala Ser|His Arg
                                                                       CDR3

                                                                  CCCGGGAGG
                                                AGA CGT CGG TTT TGC TG  ApaI
TTT GTT CAC TGG GGC CAC GGG ACT CTG GTC ACT GTC TCT GCA GCC AAA ACG ACA CCC CCA
AAA CAA GTG ACC CCG GTG CCC TGA GAC CAG TGA CAG AGA CGT CGG TTT TGC TGT GGG GGT
Phe Val His|Trp Gly His Gly Thr Leu Val Thr Val Ser Ala|Ala Lys Thr Thr Pro Pro
          FR4                                          CH1
```

FIG. 2B.

```
          SstI
           |
CTCAGAGCTC
GCT GTT GTG ACT CAG GAA TCT
GCT GTT GTG ACT CAG GAA TCT GCA CTC ACC ACA TCA CCT GGT GAA ACA GTC ACA CTC ACT
CGA CAA CAC TGA GTC CTT AGA CGT GAG TGG TGT AGT GGA CCA CTT TGT CAG TGT GAG TGA
|Ala Val Val Thr Gln Glu Ser Ala Leu Thr Thr Ser Pro Gly Glu Thr Val Thr Leu Thr
|
FR1

TGT CGC TCA AGT ATT GGG GCT GTT ACA ACT AGT AAC TAT GCC AAC TGG GTC CAA GAA AAA
ACA GCG AGT TCA TAA CCC CGA CAA TGT TGA TCA TTG ATA CGG TTG ACC CAG GTT CTT TTT
Cys|Arg Ser Ser Ile Gly Ala Val Thr Thr Ser Asn Tyr Ala Asn|Trp Val Gln Glu Lys
   |                                                       |
   CDR1                                                    FR2

CCA GAT CAT TTA TTC ACT GGT CTA ATA GGT GGT ACC AAT AAC CGG GCT CCG GGT GTT CCT
GGT CTA GTA AAT AAG TGA CCA GAT TAT CCA CCA TGG TTA TTG GCC CGA GGC CCA CAA GGA
Pro Asp His Leu Phe Thr Gly Leu Ile Gly|Gly Thr Asn Asn Arg Ala Pro|Gly Val Pro
                                      |                            |
                                      CDR2                         FR3

GCC AGA TTC TCA GGC TCC CTG ATT GGA GAC AAG GCT GCC CTC ACC ATC ACA GGG GCA CAG
CGG TCT AAG AGT CCG AGG GAC TAA CCT CTG TTC CGA CGG GAG TGG TAG TGT CCC CGT GTC
Ala Arg Phe Ser Gly Ser Leu Ile Gly Asp Lys Ala Ala Leu Thr Ile Thr Gly Ala Gln
```

FIG. 3A.

```
ACT GAA GAT GAG GCA AGA TAT TTC TGT GCT CTA TCG TAC TGC AAC CTC TGG GTG TTC GGT
TGA CTT CTA CTC CGT TCT ATA AAG ACA CGA GAT ACC ATG ACG TTG GAG ACC CAC AAG CCA
Thr Glu Asp Glu Ala Arg Tyr Phe Cys Ala|Leu Trp Tyr Cys Asn Leu Trp Val|Phe Gly
                                       CDR3                            FR4

GGA GGA ACC AAA CTG ACT GTC CTA AGC CAG CCC AAG TCT TCG CCA TCA GTC ACC CTG TTT
CCT CCT TGG TTT GAC TGA CAG GAT TCG GTC GGG TTC AGA AGC GGT AGT CAG TGG GAC AAA
Gly Gly Thr Lys Leu Thr Val Leu Ser|Gln Pro Lys Ser Ser Pro Ser Val Thr Leu Phe
            TTT GAC TGA CAG GAT TCG|
                                  |
                                  |-------BsiWI
                                  CGTACGCTC

CCG CCC TCC TCT GAA GAG CTA AGC TTG GGA ATC GGA TTC CCG GG
GGC GGG AGG AGA CTT CTC GAT TCG AAC CCT TAG CCT AAG GGC CC
Pro Pro Ser Ser Glu Glu Leu Ser Leu Gly Ile Gly Phe Pro Gly

        FR4                                          CH1
```

FIG. 3B.

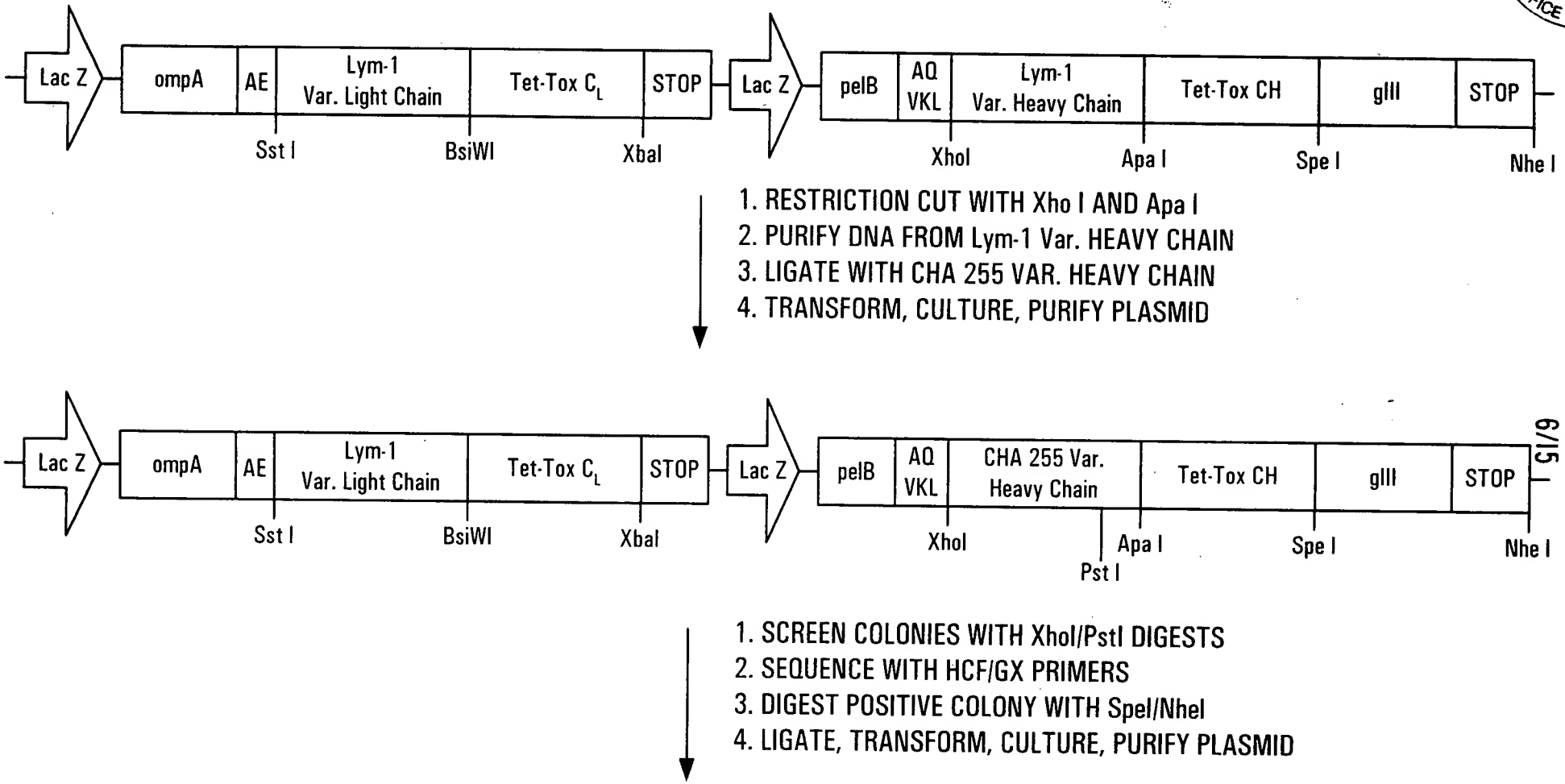

FIG. 4A.

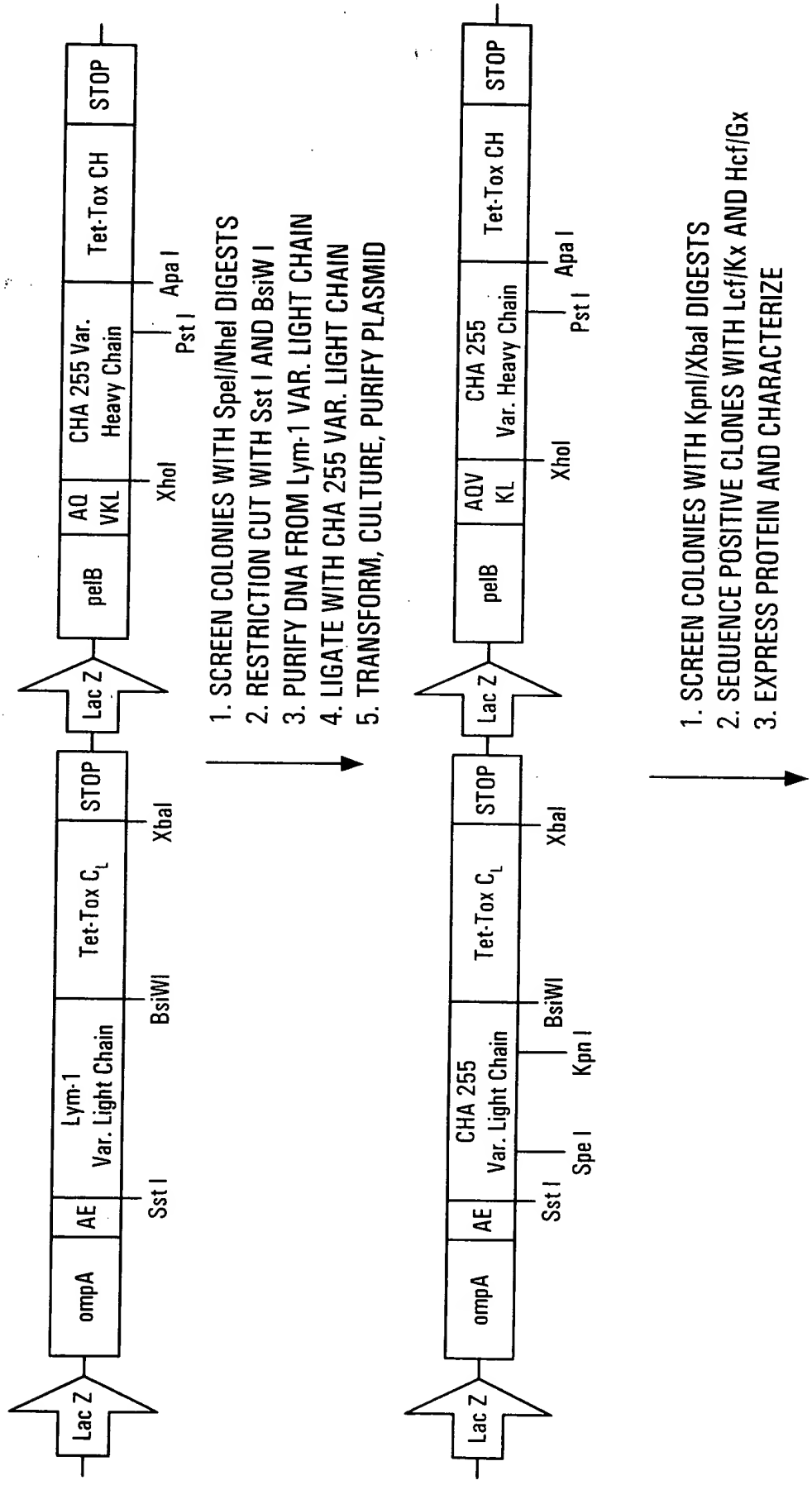

FIG. 4B.

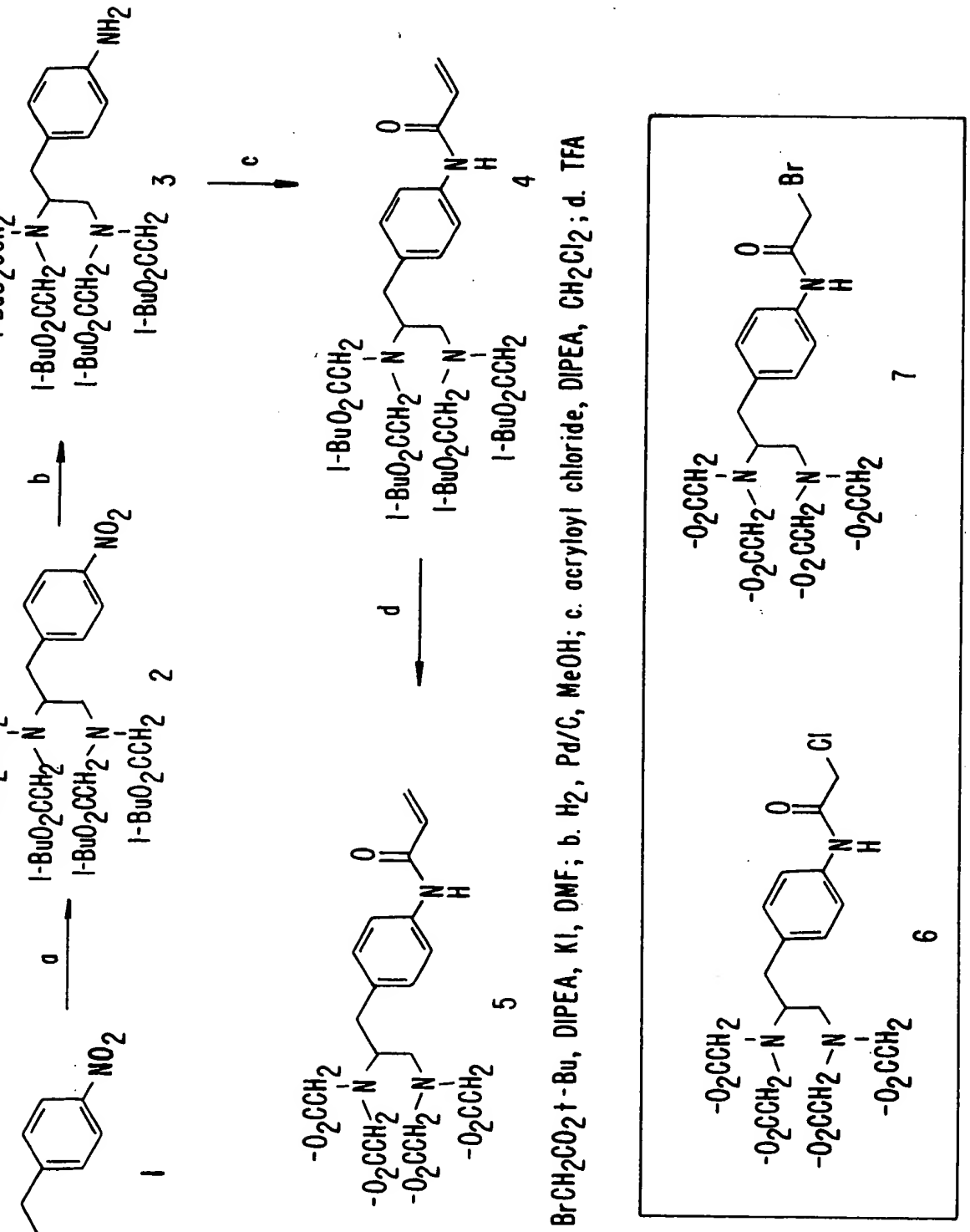

FIG. 5.

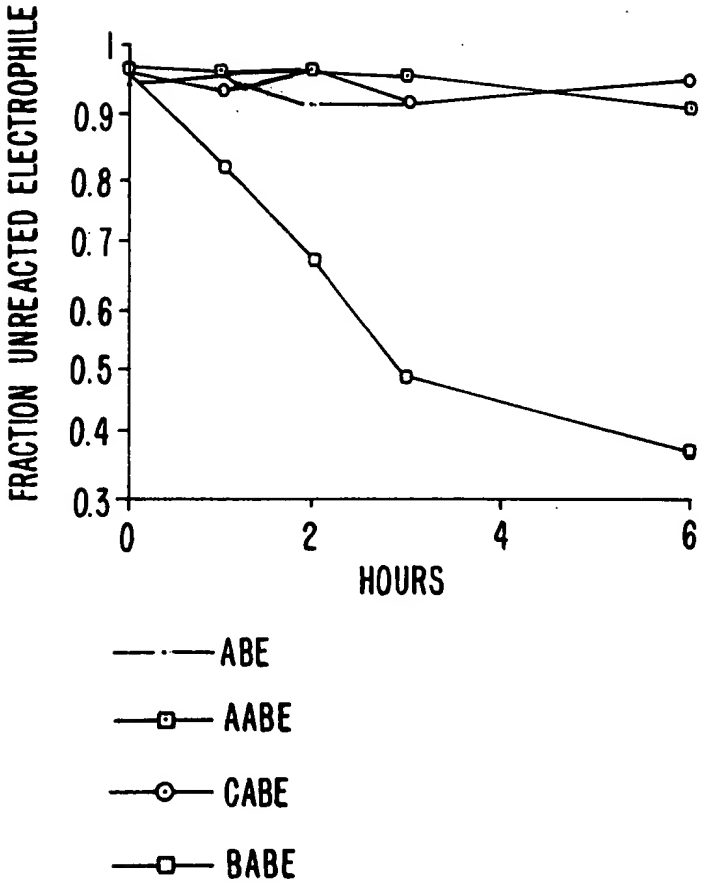

FIG. 6.

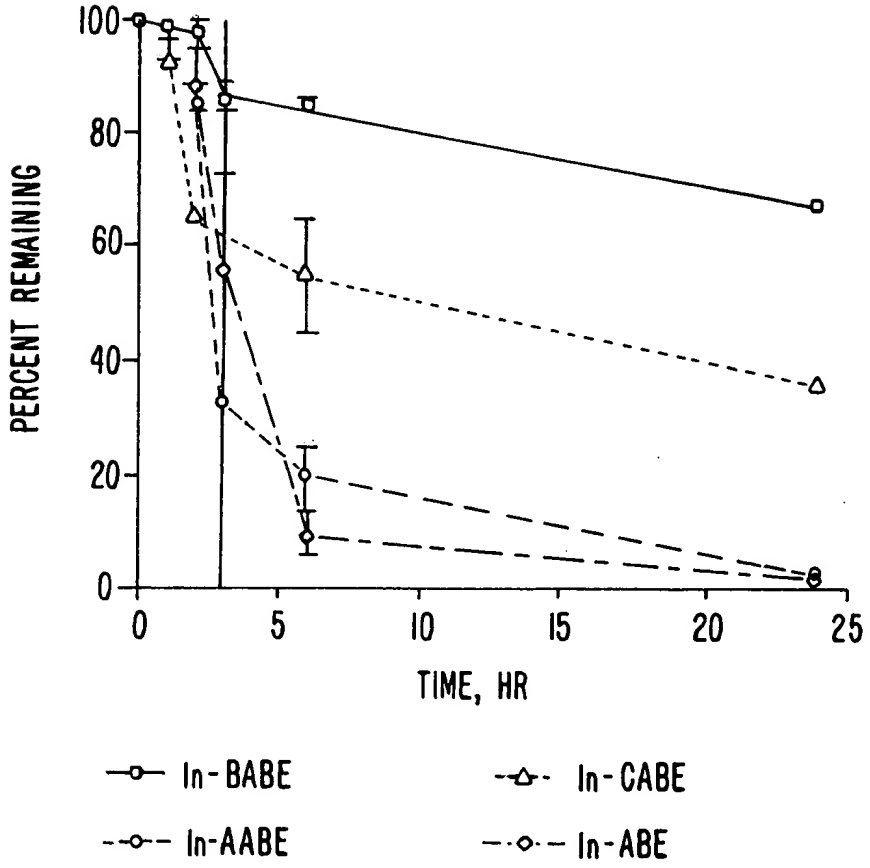

FIG. 7.

AGATCTGAAGTGACGCTGGTGGAGTCTGGGGGAGACTCAGTGAAGCCTGGAGGGTC
CCTGAAACTCTCCTGTGCAGCCTCTGGATTCACTTTAAGTGGTGAAACCATGTCTTG
GGTTCGCCAGACTCCGGAGAAGAGGCTGGAGTGGGTOGCAACCACTCTTAGTGGTG
GTGGTTTCACCTTCTATTCAGCCAGTGTGAAGGGTCGTTTCACCATCTCCAGAGACA
ATGCCCAGAACAACCTCTATCTACAACTGAATAGTCTGAGGTCTGAGGACACGGCCT
TGTATTTCTGTGCAAGTCATCGGTTTGTTCACTGGGGCCACGGGACTCTGGTCACTG
TCTCTGCAGCCAAAACGAOACCCCCATCGGTCTTCCCCCTGGCACCCTCCTCCAAGA
GCACCTCTGGGGGCACAGCGGCCCTGGGCTGCCTGGTCAAGGACTACTTCCCCGAAC
CGGTGACGGTGTCGTGGAACTCAGGCGCCCTGACCAGCGGCGTGCACACCTTCCCGG
CTGTCCTACAGTCCTCAAGACTCTACTTCCTCAGCAGCGTGGTGACCGTGCCCTTCA
ACAGCTTGGGCACCCAGACCTACATCTGCAACGTGAATCACAAGCCCAGCAACACC
AAGGTGGACAAGAAAGCAGAGCCCAAATCTTGTGACAAATCTAGAGGGCCCTTCGA
AGGTAAGCCTATCCCTAACCCTCTCCTCGGTCTCGATTCTACGCGTACCGGTCATCA
TCACCATCACCATTGA

FIG. 8.

AGATCTGCTGTTGTGACTCAGGAATCTGCACTCACCACATCACCTGGTGAAACAGTC
ACACTCACTTGTCGCTCAAGTATTGGGGCTGTTACAACTAGTAACTATGCCAACTGG
GTCCAAGAAAAACCAGATCATTTATTCACTGGTCTAATAGGTGGTACCAATAACCGG
GCTCCGGGTGTTCCTGCCAGATTCTCAGGCTCCCTGATTGGAGACAAGGCTGCCCTC
ACCATCACAGGGGCACAGACTGAAGATGAGGCAAGATATTTCTGTGCTCTATGGTA
CTCCTGCCTCTGGGTRTTCGGTGGAGGAACCAAACTGACTGTCCTAAGCCGWACKGT
GGCTGCACCATCTGTCTTCATCTTCCCGCCATCTGATGAGCAGTTGAAATCTGGAAC
TGCCTCTGTTGTGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGTG
GAAGGTGGATAACGCCCTCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAGG
ACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAGCAAAGCAGAC
TACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGYTYGCC
CGTCACAAAGAGCTTCAACAGGGGAGAGTGTTAA

FIG. 9.

AGATCTGCTGTTGTGACTCAGGAATCTGCACTCACCACATCACCTGGTGAAACAGTC
ACACTCACTTGTCGCTCAAGTATTGGGGCTGTTACAACTAGTAACTATGCCAACTGG
GTCCAAGAAAAACCAGATCATTTATTCACTGGTCTAATAGGTGGTACCAATAACCGG
GCTCCGGGTGTTCCTGCCAGATTCTCAGGCTCCCTGATTGGAGACAAGGCTGCCCTC
ACCATCACAGGGGCACAGACTGAAGATGAGGCAAGATATTTCTGTGCTCTATGGTA
CTCCAACCTCTGGGTGTTCGGTGGAGGAACCAAACTGACTGTCCTAAGCCAGCCCA
AGTCTTCGCCATCAGTCACCCTGTTTCCGCCCTCCTCTGAAGAGCTAAGCTTGGGAA
TCGGATTGCCGGGGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGT
GGAAGGTGGATAACGCCCTCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAG
GACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAGCAAAGCAGA
CTACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGYTYGC
CCGTCACAAAGAGCTTCAACAGGGGAGAGTGTTAA

FIG. 10.

AGATCTGCTGTTGTGACTCAGGAATCTGCACTCACCACATCACCTGGTGAAACAGTC
ACACTCACTTGTCGCTCAAGTATTGGGGCTGTTACAACTAGTAACTATGCCAACTGG
GTCCAAGAAAAACCAGATCATTTATTCACTGGTCTAATAGGTGGTACCAATAACCGG
GCTCCGGGTGTTCCTGCCAGATTCTCAGGCTCCCTGATTGGAGACAAGGCTGCCCTC
ACCATCACAGGGGCACAGACTGAAGATGAGGCAAGATATTTCTGTGCTCTATGGTA
CTCCAACCTCTGGGTGTTCGGTGGAGGAACCAAACTGACTGTCCTAAGCCAGCCCA
AGTCTTCGCCATCAGTCACCCTGTTTCCGCCCTCCTCTGAAGAGCTAAGCTTGGGAA
TCGGATTCCCGGGGTGCCTGCTGAATAACTTCTATCCCAGAGAGGCCAAAGTACAGT
GGAAGGTGGATAACGCCCTCCAATCGGGTAACTCCCAGGAGAGTGTCACAGAGCAG
GACAGCAAGGACAGCACCTACAGCCTCAGCAGCACCCTGACGCTGAGCAAAGCAGA
CTACGAGAAACACAAAGTCTACGCCTGCGAAGTCACCCATCAGGGCCTGAGYTYGC
CCGTCACAAAGAGCTTCAACAGGGGAGAGTGTTAA

FIG. 11.

RSAVVTQESALTTSPGETVTLTCRSSIGAVTTSNYANWVQEKPDHLFTGLIGGTNNR
APGVPARFSGSLIGDKAALTITGAQTEDEARYFCALWYSCLWVFGGGTKLTVLSRTV
AAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD
SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSXPVTKSFNRGEC

FIG. 12.

RSAVVTQESALTTSPGETVTLTCRSSIGAVTTSNYANWVQEKPDHLFTGLIGGTNNR
APGVPARFSGSLIGDKAALTITGAQTEDEARYFCALWYSNLWVFGGGTKLTVLSRTV
AAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD
SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSXPVTKSFNRGEC

FIG. 13.

RSAVVTQESALTTSPGETVTLTCRSSIGAVTTSNYANWVQEKPDHLFTGLIGGTNNR
APGVPARFSGSLIGDKAALTITGAQTEDEARYFCALWYCNLWVFGGGTKLTVLSRTV
AAPSVFIFPPSDEQLKSGTASVVCLLNNFYPREAKVQWKVDNALQSGNSQESVTEQD
SKDSTYSLSSTLTLSKADYEKHKVYACEVTHQGLSXPVTKSFNRGEC

FIG. 14.

RSEVTLVEGRGDSVKPGGSLKLSCAASGFTLSGETMSWVRQTPEKRLEWVATTLSGG
GFTFYSASVKGRFTISRDN
AQNNLYLQLNSLRSEDTALYFCASHRFVHWGHGTLVTVSAAKTTPPSVFPLAPSSKS
TSGGTAALGCLVKDYFPEP
VTVSWNSGALTSGVHTFPAVLQSSRLYFLSSVVTVPFNSLGTQTYICNVNHKPSNTK
VDKKAEPKSCDKSRGPFEG
KPIPNPLLGLDSTRTGHHHHHH

FIG. 15.

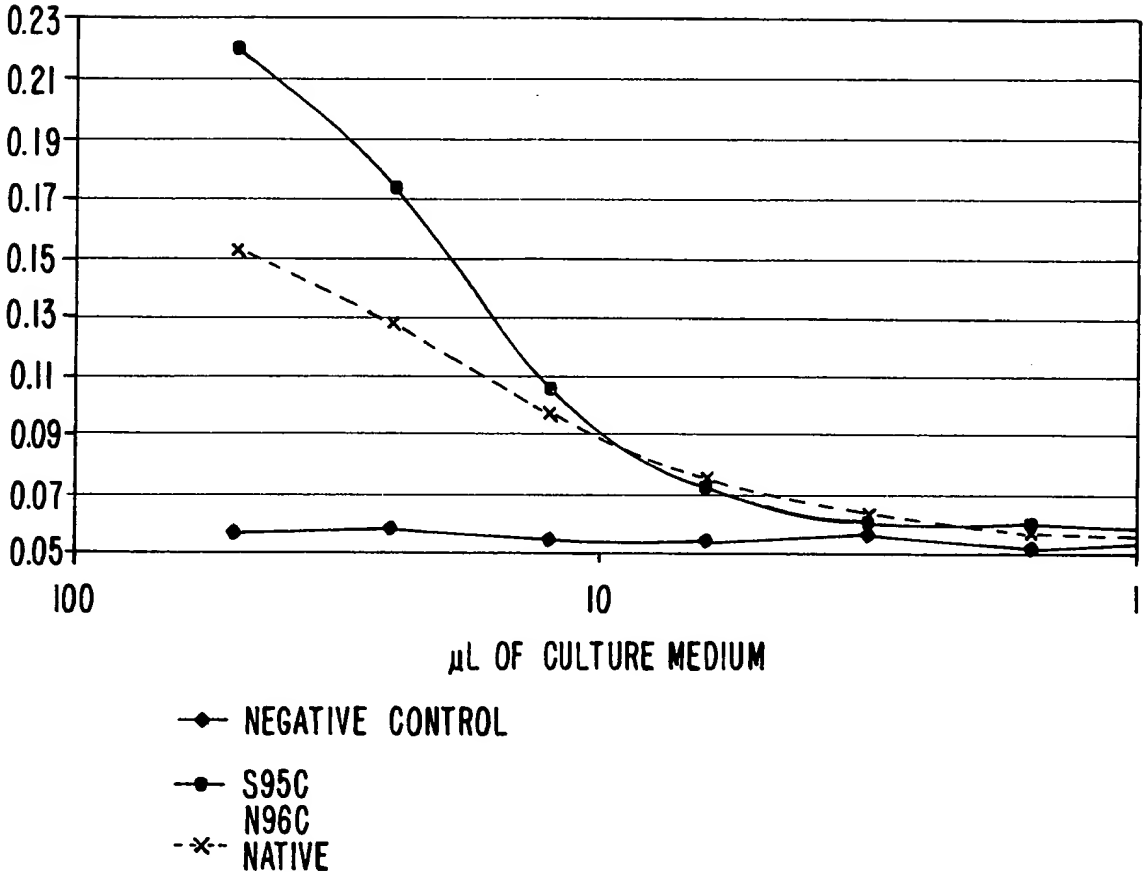

FIG. 16.

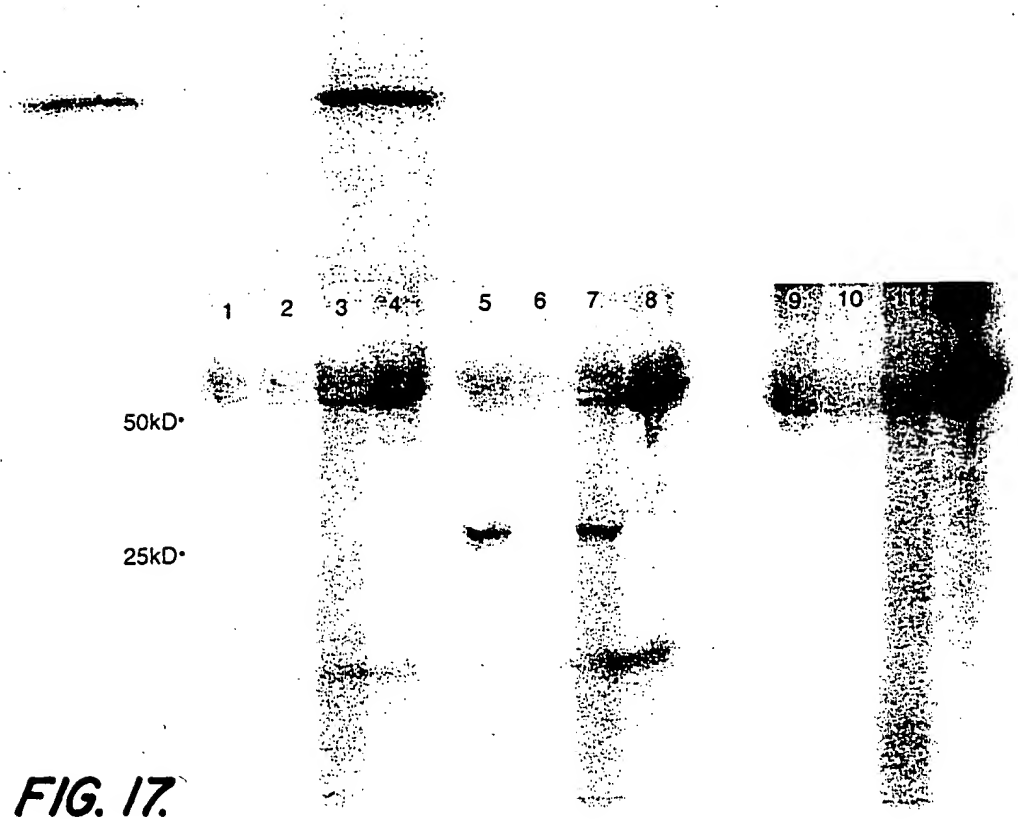

FIG. 17.

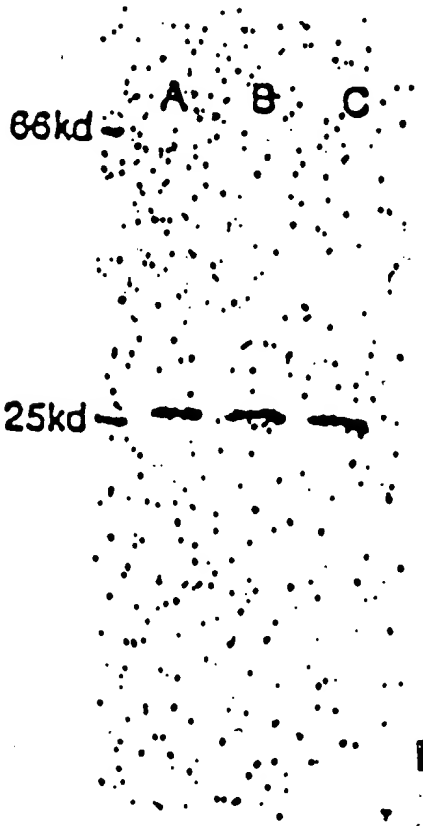

FIG. 18.